

Nehal Sai Tangudu

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EDUCATION

University of Illinois Urbana-Champaign

Bachelor of Science in Math and Computer Science

Dec 2024

GPA: 3.85/4.0

Relevant Coursework: Computer Systems, Algorithms and Models of Computation, Data Structures, Discrete Structures

SKILLS

Languages Java, Python, C, C++, HTML, CSS, JavaScript, C#, SQL
Tools VSCode, Git, Unity(C#), Android Studio, Godot
Frameworks NumPy, Pandas, Jekyll, React, TensorFlow/Keras

PROFESSIONAL EXPERIENCE

Software Engineering Intern

May 2023 - Aug 2023

Brunswick Corporation

- Developed an immersive AR boating experience for the 2024 Consumer Electronics Show using Unreal Engine and C++ in order to visualize the future of boating
- Programmed a touch interface for users to interact with and further customize their experience
- Developed a fishing experience that showcases the future of fishing with Brunswick and programmed a custom fishing controller using Arduino to enhance user immersion

Engineering IT Student Consultant

Aug 2022 - May 2023

Engineering IT

- Maintained and troubleshooted 100+ software installations for over 200 students and faculty at the university
- Monitored the university internet network and fixed 50+ network issues among computers
- Set up and repaired 100+ computers and teaching equipment in computer labs and classrooms

LEADERSHIP EXPERIENCE

Program Manager

Apr 2022 - Aug 2022

Summer of Side Projects

- Conducted social media outreach that drew 400+ participants for a 4-week program focusing on Python project development
- Contributed to developing and maintaining website content alongside 3 other student developers using HTML, CSS, Jekyll
- Facilitated project feedback on 15+ project submissions for students weekly

Python Instructor

Mar 2022 - Apr 2022

Illinois CS Sail

- Lead a workshop for 20+ participants on creating a Discord chatbot using discord.py
- Coordinated with 2 teachers to write workshop material and source code for participants

PROJECTS

ACM Resume Book

Feb 2023 - Present

- Developed a platform with Amazon S3 and AWS Lambda for 100+ ACM members to upload their resumes and be searched by our corporate sponsors
- Designed a database to store resume data and an interactive web interface for recruiters to filter through, select, and save resumes

UIUC Class Dataset Path Optimizer

Aug 2022 - Dec 2022

- Collaborated with a team of 3 to develop a web application to map out students' schedules and get the optimal path to travel to their classes using the TomTom API
- Wrote a script to pull data on 1000+ courses and build an interactive schedule maker utilizing the UIUC Class API

React Pomodoro Timer

May 2022 - June 2022

- Developed a Pomodoro timer in ReactJS and HTML/CSS with customizable break and work times
- Implemented a combo meter to track the number of successful Pomodoro rounds in a single session